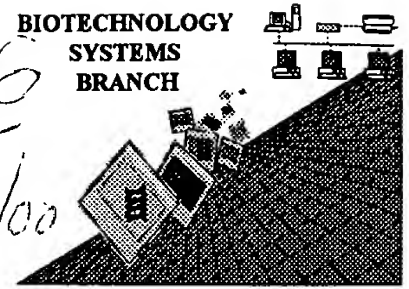


T. Larc...

RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH

#6
TLC
1/19/00



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number:

09/214,371

Art Unit / Team No. :

1635

Date Processed by STIC:

12/21/99

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER:

09/214,391

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 ☐ Wrapped Aminos The amino acid number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 ☐ Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 ☐ Misaligned Amino Acid The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
Numbering between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 ☐ Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 ☐ Variable Length Sequence(s) _____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.
- 7 ☐ PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) _____. Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence.
- 8 ☐ Skipped Sequences Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence:
(OLD RULES) (2) INFORMATION FOR SEQ ID NO:X:
 (i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
 This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 ☐ Skipped Sequences Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence.
(NEW RULES) <210> sequence id number
 <400> sequence id number
 000
- 10 ☒ Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES) Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 ☐ Use of <213>Organism Sequence(s) _____ are missing this mandatory field or its response.
(NEW RULES)
- 12 ☐ Use of <220>Feature Sequence(s) _____ are missing the <220>Feature and associated headings.
(NEW RULES) Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 ☐ PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/214,371DATE: 12/21/1999
TIME: 15:10:50

Input Set: I214371.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

*see
P. 5, 1-3*

Does Not Comply
Corrected Diskette Needed

1 <110> APPLICANT: Lane, David
2 Bottger, Volker
3 Bottger, Angelica
4 Picksley, Stephen
5 Chene, Patrick
6 Hochkeppel, Heinz-Kurt
7 Garcia-Echeverria, Carlos
8 Furet, Pascal
9 <120> TITLE OF INVENTION: Inhibitors of the Interaction of P53 and MDM2
10 <130> FILE REFERENCE: 4-20937/A/PCT
11 <140> CURRENT APPLICATION NUMBER: US/09/214,371
12 <141> CURRENT FILING DATE: 1999-03-26
13 <150> EARLIER APPLICATION NUMBER: PCT/EP97/03549
14 <151> EARLIER FILING DATE: 1997-07-04
15 <160> NUMBER OF SEQ ID NOS: 83
16 <170> SOFTWARE: PatentIn Ver. 2.0
17 <210> SEQ ID NO 1
18 <211> LENGTH: 19
19 <212> TYPE: PRT
20 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
23 <400> SEQUENCE: 1
24 Pro Leu Ser Gln Gln Thr Phe Ser Asp Leu Trp Lys Leu Leu Pro Glu
25 1 5 10 15
26 Asn Asn Val
27 <210> SEQ ID NO 2
28 <211> LENGTH: 5
29 <212> TYPE: PRT
30 <213> ORGANISM: Artificial Sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
33 <400> SEQUENCE: 2
34 Phe Xaa Xaa Leu Trp
35 1 5
36 <210> SEQ ID NO 3
37 <211> LENGTH: 10
38 <212> TYPE: PRT
39 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
42 <220> FEATURE:
43 <221> NAME/KEY: VARIANT
44 <222> LOCATION: (1)

W-->

see item 10 on Enn Summary Sheet

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/214,371

DATE: 12/21/1999
TIME: 15:10:50

Input Set: I214371.RAW

45 <223> OTHER INFORMATION: X at position 1 = proline, leucine, glutamic acid,
46 cysteine or glutamine

47 <220> FEATURE:

48 <221> NAME/KEY: VARIANT

49 <222> LOCATION: (5)

50 <223> OTHER INFORMATION: X at position 5 = arginine, histidine, glutamic
51 acid, cysteine, serine or preferably aspartic
52 acid.

53 <400> SEQUENCE: 3

54 Pro Xaa Phe Xaa Asp Thr Trp Xaa Xaa Leu
55 1 2 3 4 5 6 7 8 9 10

56 <210> SEQ ID NO 4

57 <211> LENGTH: 10

58 <212> TYPE: PRT

59 <213> ORGANISM: Artificial Sequence

60 <220> FEATURE:

61 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide

62 <220> FEATURE:

63 <221> NAME/KEY: VARIANT

64 <222> LOCATION: (1)..)

65 <223> OTHER INFORMATION: x=proline, leucine, glutamic acid, cysteine or
66 glutamine

67 <220> FEATURE:

68 <221> NAME/KEY: VARIANT

69 <222> LOCATION: (5)

70 <223> OTHER INFORMATION: x = arginine, histidine, glutamic acid, cysteine,
71 serine or preferably aspartic acid.

72 <220> FEATURE:

73 <221> NAME/KEY: VARIANT

74 <222> LOCATION: (6)

75 <223> OTHER INFORMATION: x = histidine, phenylalanine, or preferably
76 tyrosine

77 <220> FEATURE:

78 <221> NAME/KEY: VARIANT

79 <222> LOCATION: (10)

80 <223> OTHER INFORMATION: X = phenylalanine, glutamine or preferably
81 leucine.

82 <400> SEQUENCE: 4

83 Xaa Xaa Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
84 1 2 3 4 5 6 7 8 9 10

85 <210> SEQ ID NO 5

86 <211> LENGTH: 10

87 <212> TYPE: PRT

88 <213> ORGANISM: Artificial Sequence

89 <220> FEATURE:

90 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide

91 <220> FEATURE:

92 <221> NAME/KEY: VARIANT

93 <222> LOCATION: (1)

94 <223> OTHER INFORMATION: x = proline, leucine, glutamic acid, cysteine or

W-->

W-->

?

Pro is at position 1

Asp is at position 5

what about Xaa's at positions 2, 4, 8-9?

what about Xaa's at positions 2, 4, and 9?

PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/214,371

DATE: 12/21/1999
TIME: 15:10:50

Input Set: I214371.RAW

95 glutamine
96 <220> FEATURE:
97 <221> NAME/KEY: VARIANT
98 <222> LOCATION: (2)
99 <223> OTHER INFORMATION: x = arginine, asparagine, alanine, threonine or
100 valine
101 <220> FEATURE:
102 <221> NAME/KEY: VARIANT
103 <222> LOCATION: (4)
104 <223> OTHER INFORMATION: X = methionine, isoleucine, threonine, arginine,
105 alanine or serine
106 <220> FEATURE:
107 <221> NAME/KEY: VARIANT
108 <222> LOCATION: (5)
109 <223> OTHER INFORMATION: X= arginine, histidine, glutamic acid, cysteine,
110 serine or preferably aspartic acid.
111 <220> FEATURE:
112 <221> NAME/KEY: VARIANT
113 <222> LOCATION: (6)
114 <223> OTHER INFORMATION: X = histidine, phenylalanine or preferably
115 tyrosine
116 <220> FEATURE:
117 <221> NAME/KEY: VARIANT
118 <222> LOCATION: (8)
119 <223> OTHER INFORMATION: X = glutamic acid, threonine, alanine,
120 phenylalanine or serine
121 <220> FEATURE:
122 <221> NAME/KEY: VARIANT
123 <222> LOCATION: (9)
124 <223> OTHER INFORMATION: X= glycine, glutamine, threonine, alanine or
125 aspartic acid
126 <220> FEATURE:
127 <221> NAME/KEY: VARIANT
128 <222> LOCATION: (10)
129 <223> OTHER INFORMATION: C = phenylalanine, glutamine or preferably leucine
130 <400> SEQUENCE: 5
W-->OK 131 Xaa Xaa Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
132 1 5 10
133 <210> SEQ ID NO 6
134 <211> LENGTH: 12
135 <212> TYPE: PRT
136 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
139 <400> SEQUENCE: 6
140 Met Pro Arg Phe Met Asp Tyr Trp Gln Gly Leu Asn
141 1 5 10
142 <210> SEQ ID NO 7
143 <211> LENGTH: 12
144 <212> TYPE: PRT

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/214,371DATE: 12/21/1999
TIME: 15:10:50

Input Set: I214371.RAW

145 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
148 <400> SEQUENCE: 7
149 Gln Pro Thr Phe Ser Asp Tyr Trp Lys Leu Leu Pro
150 1 5 10
151 <210> SEQ ID NO 8
152 <211> LENGTH: 15
153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
157 <400> SEQUENCE: 8
158 Pro Arg Pro Ala Leu Val Phe Ala Asp Thr Trp Gly Thr Leu Tyr
159 1 5 10 15
160 <210> SEQ ID NO 9
161 <211> LENGTH: 28
162 <212> TYPE: PRT
163 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
166 <400> SEQUENCE: 9
167 Met Pro Arg Phe Met Asp Tyr Trp Gln Gly Leu Asn Arg Gln Ile Lys
168 1 5 10 15
169 Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
170 20 25
171 <210> SEQ ID NO 10
172 <211> LENGTH: 8
173 <212> TYPE: PRT
174 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
177 <220> FEATURE:
178 <221> NAME/KEY: VARIANT
179 <222> LOCATION: (2) /
180 <223> OTHER INFORMATION: X = methionine, isoleucine, threonine, arginine,
181 alanine or serine, preferably methionine
182 <220> FEATURE:
183 <221> NAME/KEY: VARIANT
184 <222> LOCATION: (3) /
185 <223> OTHER INFORMATION: X = arginine, histidine, glutamic acid, cysteine,
186 serine, or preferably aspartic acid.
187 <220> FEATURE:
188 <221> NAME/KEY: VARIANT
189 <222> LOCATION: (4) /
190 <223> OTHER INFORMATION: X = histidine, phenylalanine, or preferably
191 tyrosine
192 <220> FEATURE:
193 <221> NAME/KEY: VARIANT
194 <222> LOCATION: (6)

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/214,371

DATE: 12/21/1999
TIME: 15:10:50

Input Set: I214371.RAW

195 <223> OTHER INFORMATION: X = glutamic acid, threonine, alanine,
196 phenylalanine or serine, preferably glutamic acid
197 <220> FEATURE:
198 <221> NAME/KEY: VARIANT
199 <222> LOCATION: (7)
200 <223> OTHER INFORMATION: X = glycine, glutamine, threonine, alanine or
201 aspartic acid, preferably glycine.
202 <220> FEATURE:
203 <221> NAME/KEY: VARIANT
204 <222> LOCATION: (8)
205 <223> OTHER INFORMATION: X = phenylalanine, glutamine or preferably
206 leucine.
207 <400> SEQUENCE: 10
W--OK 208 Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
209 1 5
210 <210> SEQ ID NO 11
211 <211> LENGTH: 9
212 <212> TYPE: PRT
213 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
216 <220> FEATURE:
217 <221> NAME/KEY: VARIANT
218 <222> LOCATION: (1)
219 <223> OTHER INFORMATION: X = arginine, asparagine, alanine, threonine or
220 valine, particularly arginine.
221 <220> FEATURE: do you mean valine?
222 <221> NAME/KEY: VARIANT
223 <222> LOCATION: (3)
224 <223> OTHER INFORMATION: X = methionine, isoleucine, threonine, arginine,
225 alanine or serine, preferably methionine
226 <220> FEATURE:
227 <221> NAME/KEY: VARIANT
228 <222> LOCATION: (4)
229 <223> OTHER INFORMATION: X = arginine, histidine, glutamic acid, cysteine,
230 serine or preferably aspartic acid.
231 <220> FEATURE:
232 <221> NAME/KEY: VARIANT Xaa
233 <222> LOCATION: (5)
234 <223> OTHER INFORMATION: C = histidine, phenylalanine or preferably
235 tyrosine.
236 <220> FEATURE:
237 <221> NAME/KEY: VARIANT
238 <222> LOCATION: (7)
239 <223> OTHER INFORMATION: X = glutamic acid, threonine, alanine,
240 phenylalanine or serine, preferably glutamic acid.
241 <220> FEATURE:
242 <221> NAME/KEY: VARIANT
243 <222> LOCATION: (8)
<223> OTHER INFORMATION: X = glycine, glutamine, threonine, alanine or

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

LPI

Input Set: I214371.RAW

Line	? Error/Warning	Original Text
34	W "N" or "Xaa" used: Feature required	Phe Xaa Xaa Leu Trp
54	W "N" or "Xaa" used: Feature required	Pro Xaa Phe Xaa Asp Thr Trp Xaa Xaa Leu
83	W "N" or "Xaa" used: Feature required	Xaa Xaa Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
131	W "N" or "Xaa" used: Feature required	Xaa Xaa Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
208	W "N" or "Xaa" used: Feature required	Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
252	W "N" or "Xaa" used: Feature required	Xaa Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
323	W "N" or "Xaa" used: Feature required	Xaa Gly Pro Ala Phe Thr His Tyr Trp Ala T
340	W "N" or "Xaa" used: Feature required	Xaa Pro Arg Phe Met Asp Tyr Trp Glu Gly L
357	W "N" or "Xaa" used: Feature required	Xaa Pro Thr Phe Ser Asp Tyr Trp Lys Leu L
374	W "N" or "Xaa" used: Feature required	Xaa Ala Phe Thr His Tyr Trp Xaa
391	W "N" or "Xaa" used: Feature required	Xaa Thr Phe Ser Asp Tyr Trp Xaa
408	W "N" or "Xaa" used: Feature required	Xaa Arg Phe Met Asp Tyr Trp Xaa
425	W "N" or "Xaa" used: Feature required	Xaa Glu Thr Phe Ser Asp Leu Trp Lys Leu L
442	W "N" or "Xaa" used: Feature required	Xaa Pro Thr Phe Ser Asp Leu Trp Lys Leu L
459	W "N" or "Xaa" used: Feature required	Xaa Glu Thr Phe Ser Asp Tyr Trp Lys Leu L
476	W "N" or "Xaa" used: Feature required	Xaa Gln Asn Phe Ile Asp Tyr Trp Thr Gln G
493	W "N" or "Xaa" used: Feature required	Xaa Asp Arg Ala Pro Thr Phe Arg Asp His T
510	W "N" or "Xaa" used: Feature required	Xaa Arg Pro Ala Leu Val Phe Ala Asp Tyr T
527	W "N" or "Xaa" used: Feature required	Xaa Ala Phe Ser Arg Phe Trp Ser Asp Leu S
540	W "N" or "Xaa" used: Feature required	Thr Gly Pro Ala Phe Thr His Tyr Trp Ala T
553	W "N" or "Xaa" used: Feature required	Met Pro Arg Phe Met Asp Tyr Trp Glu Gly L
570	W "N" or "Xaa" used: Feature required	Xaa Gly Gln Pro Thr Phe Ser Asp Tyr Trp L
587	W "N" or "Xaa" used: Feature required	Xaa Gly Gln Pro Thr Phe Ser Asp Tyr Trp L
604	W "N" or "Xaa" used: Feature required	Xaa Gly Pro Thr Phe Ser Asp Leu Trp Xaa
621	W "N" or "Xaa" used: Feature required	Xaa Gly Pro Thr Phe Ser Asp Leu Trp Xaa
638	W "N" or "Xaa" used: Feature required	Xaa Pro Thr Phe Ser Asp Leu Trp Xaa
655	W "N" or "Xaa" used: Feature required	Xaa Pro Thr Phe Ser Asp Leu Trp Xaa
672	W "N" or "Xaa" used: Feature required	Xaa Gly Ser Gly Gln Glu Thr Phe Ser Asp L
689	W "N" or "Xaa" used: Feature required	Xaa Gly Ser Gly Gln Glu Thr Phe Ser Asp L
706	W "N" or "Xaa" used: Feature required	Xaa Gly Ser Gly Gln Glu Thr Phe Ser Asp T
723	W "N" or "Xaa" used: Feature required	Xaa Met Pro Arg Phe Met Asp Tyr Trp Glu G
725	W "N" or "Xaa" used: Feature required	Lys Ile Trp Phe Gln Asn Arg Arg Met Lys T
759	W "N" or "Xaa" used: Feature required	Xaa Ala Val Ala Leu Leu Pro Ala Val Leu L
761	W "N" or "Xaa" used: Feature required	Ala Met Pro Arg Phe Met Asp Tyr Trp Glu G
787	W "N" or "Xaa" used: Feature required	Xaa Thr Phe Ser Asp Tyr Trp Xaa
804	W "N" or "Xaa" used: Feature required	Xaa Thr Phe Ser Asp Tyr Trp Xaa
821	W "N" or "Xaa" used: Feature required	Xaa Ala Phe Thr His Tyr Trp Xaa
838	W "N" or "Xaa" used: Feature required	Xaa Ala Phe Thr His Tyr Trp Xaa
855	W "N" or "Xaa" used: Feature required	Xaa Arg Phe Met Asp Tyr Trp Xaa
872	W "N" or "Xaa" used: Feature required	Xaa Arg Phe Met Asp Tyr Trp Xaa
889	W "N" or "Xaa" used: Feature required	Xaa Thr Phe Ser Asp Tyr Trp Xaa
914	W "N" or "Xaa" used: Feature required	Xaa Arg Phe Met Asp Tyr Trp Xaa
939	W "N" or "Xaa" used: Feature required	Xaa Met Xaa Tyr Trp Xaa Gly Xaa
964	W "N" or "Xaa" used: Feature required	Xaa Phe Met Xaa Tyr Trp Xaa Gly Xaa
989	W "N" or "Xaa" used: Feature required	Xaa Phe Met Xaa Tyr Trp Glu Xaa Xaa
1018	W "N" or "Xaa" used: Feature required	Xaa Met Xaa Tyr Trp Xaa Xaa Xaa
1043	W "N" or "Xaa" used: Feature required	Xaa Met Xaa Tyr Trp Gln Xaa Xaa
1060	W "N" or "Xaa" used: Feature required	Xaa Phe Met Asp Tyr Trp Glu Gly Xaa
1077	W "N" or "Xaa" used: Feature required	Xaa Met Asp Tyr Trp Glu Gly Xaa
1098	W "N" or "Xaa" used: Feature required	Xaa Met Xaa Tyr Trp Glu Gly Xaa

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VERIFICATION SUMMARY
PATENT APPLICATION US/09/214,371

DATE: 12/21/1999
TIME: 15:10:50

Input Set: I214371.RAW

Line	? Error/Warning	Original Text
1119	W "N" or "Xaa" used: Feature required	Xaa Met Asp Tyr Trp Xaa Gly Xaa
1216	W "N" or "Xaa" used: Feature required	Xaa Gly Ser Gly Glu Pro Pro Leu Ser Gln G